50 through 80-Ton Air-Cooled Portable Water Chillers

(60-TON UNIT SHOWN)

**FEATURES**

- Carlyle Semi-Hermetic Reciprocating Compressors with Electrical Multi-Stage Unloading Down to 33%
- Stainless Steel Braze Plate
- Brass Service Valves
- Large Copper Condensing Coil with Aluminum Fins
- Powder Coated, Heavy Guage Steel Cabinet
- Rugged Stainless Steel Centrifugal Pumps with Safety Fuses
- Oversized Magnetic Contactors
- Stainless Steel Tank

**BENEFITS**

- Long Life - Dependable - Economical to Operate
- Compact Efficiency
- Allows for Field Service Without Dissassembly
- Easy Maintenance and Efficient
- Rugged Protection While Allowing for Easy Maintenance and Wash Down
- High Flow - Long Life - Dependable
- Rugged Dependability - Long Life
- Lifetime Warranty
### TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>CAPACITY ± 5 % AT 50°F LCWT/95°F AMBIENT</th>
<th>50-TON 600,000 BTU/HR</th>
<th>60-TON 720,000 BTU/HR</th>
<th>70-TON 840,000 BTU/HR</th>
<th>80-TON 960,000 BTU/HR</th>
</tr>
</thead>
<tbody>
<tr>
<td>MODEL</td>
<td>ACWC-600-E</td>
<td>ACWC-720-E</td>
<td>ACWC-840-E</td>
<td>ACWC-960-E</td>
</tr>
<tr>
<td>COMPRESSIONS</td>
<td>SEMI-HERMETIC RECIPROCATING</td>
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<td>SEMI-HERMETIC RECIPROCATING</td>
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<tr>
<td>EVAPORATOR</td>
<td>STAINLESS STEEL/ COPPER BRAZED PLATE</td>
<td>STAINLESS STEEL/ COPPER BRAZED PLATE</td>
<td>STAINLESS STEEL COPPER BRAZED PLATE</td>
<td>STAINLESS STEEL COPPER BRAZED PLATE</td>
</tr>
<tr>
<td>FLUID CONNECTION (IN/OUT)</td>
<td>3” 150# FLG</td>
<td>3” 150# FLG</td>
<td>4” 150# FLG</td>
<td>4” 150# FLG</td>
</tr>
<tr>
<td>FANS / CFM</td>
<td>4 / 35,000</td>
<td>6 / 52,000</td>
<td>6 / 52,000</td>
<td>6 / 52,000</td>
</tr>
<tr>
<td>CONDENSER COILS</td>
<td>COPPER TUBE ALUMINUM FIN</td>
<td>COPPER TUBE ALUMINUM FIN</td>
<td>COPPER TUBE ALUMINUM FIN</td>
<td>COPPER TUBE ALUMINUM FIN</td>
</tr>
<tr>
<td>VOLTAGE / PHASE</td>
<td>208/230/3 460/3</td>
<td>208/230/3 460/3</td>
<td>208/230/3 460/3</td>
<td>208/230/3 460/3</td>
</tr>
<tr>
<td>MINIMUM CIRCUIT AMPS</td>
<td>296.5 / 139.3</td>
<td>374.80 / 171.25</td>
<td>430.8 / 197.3</td>
<td>458.8 / 213.2</td>
</tr>
<tr>
<td>DIMENSIONS (APPROX)</td>
<td>16’ L x 7’ 5” W x 6’7” H</td>
<td>18’ L x 7’ 5” W x 7’5” H</td>
<td>18’ L x 7’ 5” W x 7’5” H</td>
<td>19’ L x 8’ W x 8’ H</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>5,000 LBS</td>
<td>5,500 LBS</td>
<td>5,500 LBS</td>
<td>6,500 LBS</td>
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<tr>
<td>PUMP</td>
<td>15 H.P.</td>
<td>15 H.P.</td>
<td>20 H.P.</td>
<td>20 H.P.</td>
</tr>
<tr>
<td>PUMP OUTPUT</td>
<td>225 GPM @ 56 PSI</td>
<td>225 GPM @ 56 PSI</td>
<td>335 GPM @ 54 PSI</td>
<td>335 GPM @ 54 PSI</td>
</tr>
<tr>
<td>TANK SIZE</td>
<td>500 GALLON</td>
<td>500 GALLON</td>
<td>500 GALLON</td>
<td>500 GALLON</td>
</tr>
<tr>
<td>TANK CONSTRUCTION</td>
<td>INSULATED POLYETHYLENE</td>
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</table>

**CONTROLS:**
- Multi PLC stage electronic temperature controller* with dual LED readout. (set point / process temperature)

**REFRIGERATION COMPONENTS:**
- Carrier semi-hermetic reciprocating compressors with electrical unloading, sight glass, moisture indicators, balance port expansion valves, liquid line solenoids, filter drier, service valves, dual circuit stainless steel brazed plate evaporator, fan cycling head pressure controls.

**PROCESS FLUID COMPONENTS:**
- Rugged stainless steel centrifugal pump, insulated polyethylene reservoir, with tank level sight glass, and drain port.

**SAFETY CONTROLS:**
- High/low pressure safety, internal overloads, thermal overloads and/or safety fuses or circuit breakers for pump, compressor and fan motors, low water flow safety with manual reset, freeze safety, oil pressure.

**CONSTRUCTION:**
- Galvanized frame, powder coated steel cabinet.

**WARRANTY:**
- One year parts / five year compressor.

*THREE STAGE CONTROLLER IS STANDARD. ALL UNITS ARE AVAILABLE WITH UP TO SIX STAGES

**Compare our Price and Warranty**

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Note: All specifications subject to change without notice.

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